

# Experimenty #2

Grid Search

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In the previous experiments we identified best structure of the NN (no dropout, with normalization).

We decided to run grid-search, full list of tried hyper-parameters is in our repository's config. Total number of runs is 108.

As can be seen from the runs performed, the loss function has the greatest impact. The optimizer has a small impact, and the learning rate has a negligible impact.

The best model used the RMSProp optimizer, the MSE loss function, and a batch size of 64.

MSE is probably more suitable for our purposes because it attaches greater importance to the size of the error.

The smallest loss achieved in the test section was 0.005

## Visual Support





